

DD/A Registry
78-1274

24 MAR 1978

DD/A Registry

File Equipment & Supplies

MEMORANDUM FOR: Deputy Director for Administration
FROM: James H. McDonald
Director of Logistics
SUBJECT: Small Package Boiler

1. Action Requested: It is requested that you approve the attached General Services Work Authorization for installation of a small package boiler at the Headquarters Powerplant.

2. Background:

a. The attached work authorization is to transfer funds to the General Services Administration to provide for installation of a small boiler in the Headquarters Powerplant.

b. This project is an FY 78 budget line item and results from a 1974 engineering survey accomplished by the architect-engineer concern of Henningson, Durham, and Richardson. This study was concerned with the unstable operation of the Headquarters boilers during periods of low steam demands. The study concluded that the main 55,000 lbs. per hour boilers presently installed should be supplemented by a new package boiler rated at 18,000 lbs. per hour. The necessary space, fuel, and other supporting utilities presently exist. Increased reliability by sectionalizing the main steam headers and provision of valves for a future line to be built to the Headquarters Building would be included.

c. An additional study to investigate the feasibility of converting classified waste into a supplemental fuel by means of the Hammermill was recently concluded. It was recognized that there is a potential energy in the amount of pulverized paper waste generated and it was hoped that this could be incorporated into the equipment selection process to accomplish two aims with a single investment. Unfortunately, it was found that present state-of-the-art boilers are not available to handle the

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type of material involved efficiently. Tests were conducted with our material at the Pentagon incinerator with heat recovery equipment and the success mentioned in the news of that installation was found to be more media public relations effort than fact.

3. Recommendation: Approval of expenditure of the \$170,000 for the purposes described above is recommended.

✓/ James H. McDonald
James H. McDonald

Att

✓/ Michael J. McDonald

APPROVED: *✓/ Deputy Director for Administration*

DISAPPROVED: Deputy Director for Administration

DATE: 28 MAR 1978

Distribution:
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